

# CERTIFICATE OF ANALYSIS

(Certificate No. KMS024010-01)

Release Date: 03/07/2025

Re-test Date: 02/07/2028

## Salmeterol Related Compound B

### Identification

**Chemical Name :**

(1R)-1-[4-Hydroxy-3-(hydroxymethyl)phenyl]-2-[[6-(1-methyl-3-phenylpropoxy)hexyl]amino]ethanol

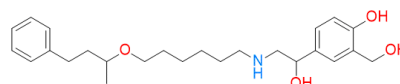
**Alt. Name** : Salmeterol USP Related Compound B

**CAT No.** : KMS024010

**CAS No.** : 108928-81-0

**Molecular Formula** : C<sub>25</sub>H<sub>37</sub>NO<sub>4</sub>

**Molecular Weight** : 415.6



### Analytical Information

**Batch No.** : S024010-102-105

**Solubility** : Acetonitrile

**Description** : Light Yellow Thick Syrup

**Mass** : Confirm

**HPLC Purity** : 97.99 %

**IR** : Confirm

**Weight Loss By TGA** : 2.41 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 95.63 %

**<sup>13</sup>C NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 2.41(Weight Loss By TGA)] x [97.99(HPLC Purity)]/100 = 95.63 %

**Recommendation** : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 03/07/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 03/07/2025 |

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA